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Appendix A

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DRAFT AMENDMENT

Cancel claims 20-26, 65, 67-69, 72 and 76-82.

Amend the claims as follows:

In claim 1, line 4, after "from the sample" insert--, thereby producing a separated target polynucleotide--.

In claim 1, line 6, after "separated target polynucleotide" insert--of (b)--.

In claim 4, lines 1-2, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said separated target polynucleotide with a polymerase--.

In claim 6, line 1, before "target polynucleotide" insert--separated--.

In claim 7, line 5, after "sample" insert--, thereby producing a separated target polynucleotide--.

In claim 7, line 6, after "separated target polynucleotide" insert--of (b), thereby producing an amplified target polynucleotide--.

In claim 7, line 7, after "amplified target polynucleotide" insert--of (c)--.

In claim 10, lines 1-2, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said separated target polynucleotide with a polymerase--.

In claim 12, line 1, before "target polynucleotide" insert--separated--.

In claim 17, lines 1-2, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said separated target polynucleotide with a polymerase--.

In claim 18, line 1, before "target polynucleotide" insert--separated--.

In claim 19, line 5, after "sample" insert--, thereby producing a separated target polynucleotide--.

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In claim 19, line 6, after "separated target polynucleotide" insert--of (b)--.

In claim 19, line 7, after "polymerase" insert--, thereby producing an amplified target polynucleotide--.

In claim 19, line 8, after "amplified target polynucleotide" insert--of (c)--.

In claim 27, line 3, before "reagent" insert--a--.

In claim 27, line 12, after "the target polynucleotide" insert--in the probe-target complex--.

In claim 28, line 3, before "reagent" insert--a--.

In claim 28, line 12, after "the target polynucleotide" insert--in the probe-target complex--.

In claim 29, lines 2-3, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said target polynucleotide with a polymerase--.

In claim 32, lines 2-3, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said target polynucleotide with a polymerase--.

In claim 34, line 9, after "target polynucleotide" insert--of (c)--.

In claim 35, lines 2-3, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said target polynucleotide with a polymerase--.

In claim 38, line 9, after "target polynucleotide" insert--of (c)--.

In claim 38, line 11, after "second medium" insert--, thereby producing an amplified target polynucleotide--.

In claim 39, lines 2-3, delete "the target polynucleotide is amplified with a polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said target polynucleotide with a polymerase--.

In claim 42, line 1, delete "the amplification" and insert therefore--said amplifying *in*

vitro--.

In claim 43, line 1, delete "the amplification" and insert therefore--said amplifying *in vitro--.*

In claim 44, line 1, before "target polynucleotide" insert--separated--.

In claim 45, line 1, delete "the amplification" and insert therefore--said amplifying *in vitro--.*

In claim 46, lines 1-2, delete "the target polynucleotide is amplified with more than one polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said separated target polynucleotide with more than one polymerase--.

In claim 48, line 1, delete "the amplification" and insert therefore--said amplifying *in vitro--.*

In claim 49, line 1, delete "the amplification" and insert therefore--said amplifying *in vitro--.*

In claim 50, line 1, before "target polynucleotide" insert--separated--.

In claim 51, line 1, delete "the amplification" and insert therefore--said amplifying *in vitro--.*

In claim 52, lines 1-2, delete "the target polynucleotide is amplified with more than one polymerase" and insert therefore--said amplifying *in vitro* comprises amplifying said separated target polynucleotide with more than one polymerase--.

In claim 64, line 1, after "wherein" insert--said amplifying *in vitro* comprises amplifying--.

In claim 64, line 1, delete "is amplified".

In claim 66, line 1, after "wherein" insert--said amplifying *in vitro* comprises amplifying--.

In claim 66, line 1, delete "is amplified".

In claim 71, line 1, after "wherein" insert--said amplifying *in vitro* comprises amplifying--.

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In claim 71, line 1, delete "is amplified".

In claim 73, line 1, delete "72" and insert therefore--71--.

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